DOCUMENT RESUME

ED 395 811 SE 058 426

AUTHOR	Goldman, Corey A., Ed.
TITLE	Tested Studies for Laboratory Teaching. Proceedings of the Workshop/Conference of the Association for Biology Laboratory Education (ABLE) (16th, Atlanta, Georgia, June 7-11, 1994). Volume 16.
INSTITUTION	Association for Biology Lab. Education, New Haven, CT.
REPORT NO	ISBN-0-9626182-8-4
PUB DATE	95
NOTE	273p.
AVAILABLE FROM	Yale University, Dept. of Biology, P.O. Box 208104, New Haven, CT 06520-8104.
PUB TYPE	Collected Works - Conference Proceedings (021)
EDRS PRICE	Document Not Available from EDRS.
DESCRIPTORS	*Biology; *College Science; Higher Education; Science Activities; Science Education; *Science Experiments; *Science Instruction; Teacher Workshops

ABSTRACT

The focus of the Association for Biology Laboratory Education (ABLE) is to improve the undergraduate biology laboratory experience by promoting the development and dissemination of interesting, innovative, and reliable laboratory exercises. This proceedings volume contains 17 papers on the topics of cell and molecular biology, genetics, and development; physiology; and evolution, ecology, and behavior: "A Study of Gene Linkage and Mapping Using Tetrad Analysis in the Fungus 'Sordaria fimicola'" (J. C. Glase); "A Holistic Approach to Teaching a Laboratory, Using Sea Urchin Development as an Example System" (A. Eisen); "Human Chromosome Analysis" (C. C. Tseng); "Sister Chromatid Differentiation and Exchange in Chinese Hamster Ovary Cells in Culture" (J. C. Tan); "Measurement of Photosynthetic Activity in Plant Cell Fractions" (N. Scott & B. Greenberg); "Diversity of Photosynthetic Pigments" (A. F. Motten); "Carbon Dioxide Uptake in Plants: A Computer-Aided Experimental System" (C. J. Paradise & R. J. Cyr); "Developmental Plasticity in Oak Leaves" (D. Westmoreland); "Pollen Tube Formation and the Central Dogma of Biology" (R. J. Scott); "Immunocytochemical Analysis of Sperm Cytoskeleton" (B. Retallack); "Active Transport in Insect Malpighian Tubules" (D. U. Silverthorn); "Computer Simulations of Basic Neuronal Function" (M. Haag); "Honeybee Venom Detected by Enzyme Immunoassay" (M. K. Janis); "Regulation of Blood Glucose Levels in Normal and Diabetic Rats" (L. K. Butler); "Human Mastication Project Laboratory" (P. R. Lennard); "Use of Bioluminescence in Detecting Biohazardous Substances in Water" (K. W. Thomulka & L. H. Peck); and "Observational Investigation of Systematics, Physiology, and Behavior of Vertebrates in a Living Collection" (B. McCormick, S. Kerr, & C. MacKinnon). Appendices contain additional mini-workshops and contents of volumes 1-16. (MKR)